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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/694,568	10/27/2003	Stephen Michael Hartley	858-011568-US(PAR)	3544
2512 PERMAN & GREEN 425 POST ROAD FAIRFIELD, CT 06824	7590 07/21/2009		EXAMINER SALOMON, PHENUEL S	
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			2179	
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/694,568

**Applicant(s)**

HARTLEY, STEPHEN MICHAEL

**Examiner**

PHENUEL S. SALOMON

**Art Unit**

2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 May 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1, 2, 4-10, 12-16, 18-24, 26-30, 32-38, 40-43, 45-47, 49-58, 61 and 62 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 2, 4-10, 12-16, 18-24, 26-30, 32-38, 40-43, 45-47, 49-58, 61 and 62 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-846)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This action is in response to the amendment filed on May 01, 2009. Claims 1, 15, 16, 29, 30, 32-38, and 40-43 are amended; claims 3, 11, 17, 25, 31, 39, 44, 48, 59-60 and 63 are cancelled, and claims 1, 2, 4-10, 12-16, 18-24, 26-30, 32-38, 40-43, 45-58, 61, and 62 are pending.
2. The rejections of Claims 15-16, 18-24, 26-30, 32-38, 40-42 and 63 under 35 U.S.C. 101 as directed to non-statutory subject matter, have been withdrawn pursuant to applicant amendments.

### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 9, 12, 14-15, 23, 26, 28-29, 37, 40, 42-43, 46, 54, 56, 58, and 61-62 are rejected under 35 U.S.C. 103(a) as being unpatentable over Meppelink et al. (US 5,542,069) in view of Sullivan (US 5,737,557) and in further view of Balsara (US 6,065,012).

Claims 1, 15, 29 and 43: Meppelink discloses a method, a system, an electronic device and a computer readable storage medium, for routing views in a computer graphical user interface, comprising:

passing said view chain data structure to a view router from a first application (col. 4, lines 39-50);

automatically by said view router (col. 4, lines 49-50) [the router routes real I/O messages which is done automatically] but does not disclose launching a first view based on a first entry in said view

chain data structure. However, Sullivan discloses a plurality of buttons, which correspond to individual software suite when select one of the access buttons open or launch the corresponding software (col. 5, lines 25 -45). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to include view launcher in Meppelink. One would have been motivated to do so in order to define dynamically new view routes while application is being executed, but do not disclose,

determining a view chain data structure comprising at least three entries, each of said entries comprising an application identifier and a view identifier; a view identified by said view identifier is associated with an application identified by said application identifier;

checking whether entries for views not launched remain in said view chain data structure, each said entry for a view not launched specifying a view identifier for a view not yet launched by said view router;

launching a second view based on a second entry in said view chain data structure automatically by said view router when entries for views not launched remain in said view chain; and

continuing said first application when no entries for views not launched remain in said view chain data structure.

However Balsara discloses a dynamic summary view where data may include information on the user's current electronic mail, the user's calendar appointments, a list of important tasks, and a contact field (col. 9, lines 55-63 and fig. 2).

checking whether entries for views not launched remain in said view chain data structure, each said entry for a view not launched specifying a view identifier for a view not yet launched by said view router (col. 2, lines 45-50) [the dynamic summary view will update the information for views not launched where for example the view 210 is operative to sense the change in the data and to update the view 210 to display the new number of unread mail messages];

launching a second view based on a second entry in said view chain data structure automatically by said view router when entries (*newly updated information*) not launched remain in said view chain (col. 10, lines 26-35); and

continuing said first application when no entries for views not launched remain in said view chain data structure (col. 10, lines 40-44). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to include Balsara features in Meppelink. One would have been motivated to do so in order to better convey operating information to the user and avoid the time-consuming and often frustrating need to launch multiple program modules and to switch between program modules when manipulating data displayed on the dynamic summary view (col. 2, lines 51-53).

Claims 9, 23, 37 and 54: Meppelink, Sullivan and Balsara disclose the method, system, an apparatus and a computer readable storage medium as in claims 1, 15, 29 and 43 above, Sullivan further discloses said view comprises user interface elements (fig 1a &b). One would have been motivated to do so in order to facilitate access to resources regarding the various application programs.

Claims 12, 26, 40 and 56: Meppelink, Sullivan and Balsara disclose the method, system, an apparatus and a computer readable storage medium as in claims 1, 15, 29 and 43 above, Meppelink further discloses at least part of said view chain is specified in the memory of said electronic device (fig. 1) [it is old and well known within the computing arts in order to run a program/code a portion of the memory is allocated to that particular program].

Claims 14, 28, 42 and 58: Meppelink, Sullivan and Balsara disclose the method, system, an apparatus and a computer readable storage medium as in claims 1, 15, 29 and 43 above, Meppelink further discloses said view chain is determined based on user actions (col. 3, lines 33-41).

Claim 46: Meppelink, Sullivan and Balsara disclose the computer readable storage medium according to claim 43, Meppelink further discloses said computer readable medium is a magnetic or optical disk (fig. 1, item 18).

Claim 61: Meppelink, Sullivan and Balsara disclose the computer readable storage medium according to claim 43 above, Meppelink further discloses said view router is implemented as a library (fig. 1, item 18).

Claim 62: Meppelink, Sullivan and Balsara disclose the computer readable storage medium according to claim 43 above, wherein said view router is implemented as an own application (col. 2, lines 24-40).

5. Claims 2, 4-8, 10,13, 16, 18-22, 24, 27, 30, 32-36, 38, 41, 45, 47, 49-53, 55, 57, are rejected under 35 U.S.C. 103(a) as being unpatentable over Meppelink et al. (US 5,54,069) in view of Sullivan (5,737,557) in view of Balsara (US 6,065,012) and in further view of Bahrs (7,181,686 B1).

Claims 2, 16, 30 and 47: Meppelink, Sullivan and Balsara disclose the method, system, an apparatus and a computer program as in claims 1, 15, 29 and 43 above, but do not disclose

gathering data from said first view and said second view; and passing said data from said view router to said first application or to a subsequent application identified in said view chain data structure. However, Bahrs discloses a data collection method from user and processing such data (col 4, lines 20 - 30). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to include data collection in Meppelink. One would have been motivated to do so in order to simulate user actions in a reliable manner.

Claims 4, 18, 32 and 49: Meppelink, Sullivan Balsara and Bahrs disclose the method, system, an apparatus and a computer program as in claims 2, 16, 30 and 47 above, Bahrs further discloses said gathered data is organized into a journal list comprising an entry for each view in said view chain data structure (col. 19, lines 1-8). One would have been motivated to do so in order to facilitate the user interaction with different views.

Claims 5, 19, 33 and 50: Meppelink, Sullivan Balsara and Bahrs disclose the method, system, an apparatus and a computer program as in claims 2, 16, 30 and 47 above, Bahrs further discloses said gathered data is organized into a list of type and value pairs (col. 48, lines 37-45). One would have been motivated to do so in order to dynamically refresh or change the view display.

Claims 6, 20, 34 and 51: Meppelink, Sullivan Balsara and Bahrs disclose the method, system, an apparatus and a computer program as in claims 5, 19, 33 and 50 above, Bahrs further discloses said data type and value pairs are defined in a markup language format (col. 48, lines 37-50). One would have been motivated to do so in order to dynamically refresh or change the view display.

Claims 7, 21, 35 and 52: Meppelink, Sullivan Balsara and Bahrs disclose the method, system, an apparatus and a computer program as in claims 2, 16, 30 and 47 above, Sullivan further discloses said view router provides a generic interface with generic methods and acts as an adapter for returning data from said first view to said first application or a subsequent application identified in said view chain data structure (col. 5, lines 25-49) [It's inherent that closing the view of an application will automatically return all the data from the view to the said application]. One would have been motivated to do so in order to have a faster data processing system.

Claims 8, 22, 36 and 53: Meppelink, Sullivan Balsara and Bahrs disclose the method, system, an apparatus and a computer program as in claims 1, 15, 29 and 43 above, Bahrs further discloses said electronic device has a graphical user interface (col. 14, lines 1-6). One would have been motivated to do so in order to maintain and facilitate access to contextual information regarding the various application programs or files stored on the device.

Claims 10, 24, 38, and 55: Meppelink, Sullivan Balsara and Bahrs disclose the method, system, an apparatus and a computer program as in claims 8, 22, 36 and 53, Sullivan further discloses said view is a window opened during said launching step (col. 8, lines 66-67 and col. 9, lines 1-5). One would have been motivated to do so in order to facilitate the normal operation of the device by the user.

Claims 13, 27, 41 and 57: Meppelink, Sullivan and Balsara disclose the method, system, an apparatus and a computer program according to claim 12, 12, 26, 29 and 56 above, but do not explicitly disclose said view chain data structure is updated based on user actions. However, Bahrs discloses a user input is received at a container handled by a view controller, wherein the user input requests a change in permissions..." (col. 3, lines 61-67). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to dynamically update view route based on user action. One would have been motivated to do so in order to have a user-friendly device.

Claim 45: Meppelink, Sullivan and Balsara disclose the computer-readable storage medium according to claim 43 above, but do not explicitly disclose said computer readable medium is a removable memory card. However, Bahrs discloses a floppy disc as a type of removable readable medium (col.66, lines 30-33). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention



was made to use a removable medium in Meppelink. One would have been motivated to do so in order to be more flexible in term of usage.

***Response to Arguments***

6. Applicant's arguments filed on 10/03/2008 have been fully considered but are not persuasive.

As per claims 1, 15, 29 and 43, applicant argues that Balsara fails to disclose application specific, separately launched views.

Examiner respectfully disagrees and notes Balsara discloses in fig. 2 program modules that when clicked on will open a separate view for that particular program.

Furthermore, Balsara fails to disclose the features indicated above relating to the checking whether entries for views not launched remain in said view chain data structure, each said entry for a view not launched specifying a view identifier for a view not yet launched by said view router; launching a second view based on a second entry in said view chain data structure automatically by said view router when entries for views not launched remain in said view chain; and continuing said first application when no entries for views not launched remain in said view chain data structure.

Examiner respectfully disagrees and notes Balsara discloses a dynamic summary view where data may include information on the user's current electronic mail, the user's calendar appointments, a list of important tasks, and a contact field (col. 9, lines 55-63 and fig. 2) [all the views are identified.

checking whether entries for views not launched remain in said view chain data structure, each said entry for a view not launched specifying a view identifier for a view not yet launched by said view router (col. 2, lines 45-50) [the dynamic summary view will update the information for views not

launched where for example the view 210 is operative to sense the change in the data and to update the view 210 to display the new number of unread mail messages];

launching a second view based on a second entry in said view chain data structure automatically by said view router when entries (*newly updated information*) not launched remain in said view chain (col. 10, lines 26-35); and

continuing said first application when no entries for views not launched remain in said view chain data structure (col. 10, lines 40-44).

### ***Conclusion***

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.  
a. Barker et al. (US 4,714,918) discloses window view control.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phenuel S. Salomon whose telephone number is (571) 270-1699. The examiner can normally be reached on Mon-Fri 7:00 A.M. to 4:00 P.M. (Alternate Friday Off) EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3800.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PSS  
7/14/2009

/Weilun Lo/

Supervisory Patent Examiner, Art Unit 2179